

WHAT IS CLAIMED IS:

5 1. A safety shield including a protective device comprising:

 a piercing member having a distal end and defining a longitudinal axis; and

 a clip defining a first cavity dimensioned for movement of the piercing member
therethrough and being oriented in an axis transverse to the longitudinal axis of the piercing
10 member, the first cavity being movable between a movable orientation and a binding orientation;

 the clip including a first leg that defines a second cavity dimensioned for movement of
the piercing member therethrough and a distal part being configured to engage a medical device,
the clip further including a second leg having a bearing surface that engages the piercing
member;

15 wherein the first leg and the second leg are biased for convergent movement such that the
first cavity is disposed in the binding orientation and the distal part of the first leg disengages the
medical device.

 2. A safety shield as recited in claim 1, wherein the first cavity is rotatable relative to
the longitudinal axis of the piercing member.

20 3. A safety shield as recited in claim 1, wherein the first cavity defines a binding
surface that engages the piercing member in the binding orientation.

 4. A safety shield as recited in claim 1, wherein the clip further includes a plate that
defines the first cavity and is oriented substantially perpendicular to the legs.

5. A safety shield as recited in claim 1, wherein the first leg has a proximal part that is oriented substantially perpendicular to the transverse axis of the first cavity in the movable orientation.

6. A safety shield as recited in claim 1, wherein the second leg has a proximal part
5 that is oriented substantially perpendicular to the transverse axis of the first cavity in the movable orientation.

7. A safety shield as recited in claim 1, wherein the distal part of the first leg includes a transverse portion that defines the second cavity.

8. A safety shield as recited in claim 1, wherein the distal part of the first leg
10 includes an arm configured to releasably retain the medical device.

9. A safety shield as recited in claim 1, wherein the protective device includes a housing that supports the clip.

10. A safety shield as recited in claim 9, wherein the housing is movable between a retracted position whereby the distal end of the piercing member is exposed and an extended
15 position whereby the housing encloses the distal end of the piercing member.

11. A safety shield as recited in claim 9, wherein the clip releasably retains the medical device with the housing.

12. A safety shield as recited in claim 9, wherein the housing is substantially transparent.

13. A safety shield as recited in claim 9, wherein the housing includes a flash chamber.

14. A safety shield as recited in claim 1, wherein the medical device includes a catheter.

5 15. A safety shield comprising:

a piercing member having a proximal end, a distal end and defining a longitudinal axis;

a housing having an outer surface; and

a clip including a plate oriented in an axis transverse to the longitudinal axis of the
piercing member and defining a cavity dimensioned for movement of the piercing member
10 therethrough, the cavity of the plate being rotatable, relative to the longitudinal axis of the
piercing member, between a sliding orientation and a binding orientation whereby a surface of
the plate that defines the cavity engages the piercing member to prevent slidable movement
thereof,

the clip including a first leg extending from the plate and having a proximal part and a
15 distal part, the distal part defining a cavity dimensioned for movement of the piercing member
therethrough and being configured to engage a medical device, the clip including a second leg
that extends from the plate and has a proximal part and a distal part, the distal part of the second
leg including a bearing surface that engages the piercing member;

wherein the legs are resiliently biased for convergent movement such that the first cavity is disposed in the binding orientation and the distal part of the first leg disengages the medical device.

16. A safety shield as recited in claim 15, wherein the piercing member is disposed
5 within the cavity of the first leg to prevent convergent movement of the legs.

17. A safety shield as recited in claim 15, wherein the housing is movable between an retracted position whereby the distal end of the piercing member is exposed and an extended position whereby the distal end of the piercing member is enclosed within the housing.

18. A safety shield as recited in claim 15, wherein the distal part of the first leg
10 includes an arm being configured to releasably retain the medical device with the outer surface of the housing.

19. A safety shield as recited in claim 15, wherein the bearing surface of the second leg engages the piercing member in the binding orientation to prevent movement of the piercing member.

15 20. A safety needle shield apparatus comprising:

a needle having a proximal end, a distal end and defining a longitudinal axis;

a housing having an outer surface and being movable between an retracted position whereby the distal end of the needle is exposed and an extended position whereby the distal end of the piercing member is enclosed within the housing, the housing being substantially
20 transparent and defining a flash chamber; and

a clip including a plate oriented in an axis transverse to the longitudinal axis of the needle and defining a slot dimensioned for movement of the needle therethrough, the cavity of the plate being rotatable, relative to the longitudinal axis of the needle, between a sliding orientation and a binding orientation whereby a surface of the plate that defines the cavity engages the needle to prevent slidable movement thereof,

the clip including a first leg extending from the plate and having a proximal part and a distal part, the distal part defining a cavity dimensioned for movement of the needle therethrough such that disposal of the needle in the cavity of the distal part prevents transverse movement of the first leg, the distal part of the first leg including an arm configured to releasably retain a catheter hub with the outer surface of the housing,

the clip further including a second leg that extends from the plate and has a proximal part and a distal part, the distal part of the second leg including a bearing surface that engages the needle,

wherein the legs are resiliently biased for convergent movement such that the first cavity is disposed in the binding orientation and the arm of the first leg releases the catheter hub, the bearing surface of the second leg engages the needle in the binding orientation to prevent movement of the needle.

21. A safety needle shield as recited in claim 15, wherein the clip further includes a transition portion that connects the plate with the first leg, the transition portion being configured to engage an inner surface of the housing to facilitate rotation of the cavity of the plate.

22. A safety needle shield as recited in claim 21, wherein the transition portion engages the inner surface of the housing to facilitate gripping engagement of the cavity of the plate with the needle.

23. A safety needle shield as recited in claim 1, wherein the first cavity includes a
5 slot.

24. A safety needle shield as recited in claim 1, wherein the cavity of the plate includes a slot configuration.

25. A safety needle shield as recited in claim 4, wherein the plate has a greater relative rigidity than the legs.

10 26. A safety needle shield comprising:

a needle having a distal end and defining a longitudinal axis; and

a clip defining a first cavity dimensioned for movement of the needle therethrough, oriented in an axis transverse to the longitudinal axis of the needle, the first cavity being movable between a movable orientation and a binding orientation;

15 the clip including a first leg that defines a second cavity dimensioned for movement of the needle therethrough and a distal part being configured to engage a medical device, the clip further including a second leg having a bearing surface that engages the needle, the distal part of the first leg releasably engaging the second leg in the movable orientation;

wherein the first leg and the second leg are biased for convergent movement such that the first cavity is disposed in the binding orientation and the distal part of the first leg disengages from the second leg and the medical device.